Enlarging The Granary of North Carolina

A Description of the Great Drainage Project In Hyde County

(By JOHN P. BROSS.)

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dead of the readers of The News and Observer know that some sort of drainage work is going on here, but I am constrained to believe that very few are aware that the greatest reclamation project east of the Mississippi is under way, and rapidly nearing completion, down here in Hyde

This project is called "The Matta-Drainage Project," and involves the drainage of one hundred and twenty thousand acres of land, gald to be as fertile as the Nile val-

have never seen the Nile valley. but I have seen some of the famous rich lands in the South and Southand am prepared to say that lands now under cultivation around the shores of Mattamuskeet Lake are the richest I have ever seen, not excepting the famous Brazos Bottons of Texas.

only to look through my window to hands that have produced this vent over fifty bushels of corn and eighty bushels of oats per acre, that too without commercial fer-These lands have been in cultivation for over one hundred and twenty-five years and are producing pressure from high tides in Albemarle beller crops today than ever before.

Fifty thousand acres of the land inin the drainage district are now the waters of Mattamuskeet The United States Department A criculture has made a soil survey of the bed of the lake, and has reported that all the land in the bed of the take is good agricultural land, and that the greater part of it is very tick some of it even more fertile then the land now in cultivation.

Much of the land included in the alterict is now in swamps and savan- he was called a "Yankee." This old Some of this land has been eleared, and, in dry years, produces crops of corn, soja

I think it would be safe for me to say that when the project is completed it will add to the arable land Hyde county an area of upward of secenty-five thousand acres of land that will produce annually an average thirty bushels of corn per acre.

This will not be the only beneficent result of the project. Much of the land now under cultivation is flooded by excessive rainfall, and it frequently happens that crops are made only on the narrow ridge around the lake. When the drainage system is completed this source of failure will be eliminated and these lands will produce great crops every year.

When these facts are considered you will comprehend the magnitude of the stakes for which the big drainage game is being played by the peotile of Hyde county.

Mattamuskeet Lake. The best term to describe this lake is "a sheet of water," for, while it covers an area of fifty thousand acres, it is not more than four feet deep in any place. Old people say that it was much deeper years ago, but ditches have been opened into it for he purpose if draining the surrounding land, and it has been filled up by the silt brought in by these ditches. An Indian legend accounts for the oriall of the lake by saying that it was burned out of the peaty earth, and that it burned for "thirteen moons."

beauty." If you have ever seen it you will agree with me. I have lived here on its shores for nearly two ture, the Drainage District was organyears, and have seen it in all its va- ized, and plans were being formed rious moods; on a calm, sunny sum- for the lauanching of this great entermer day, when it lay like a great mirfor with a frame of beautiful green, holding in its bosom the image of the cloud-fleeked, azure sky; when it was caressed by the gentle breezes from His name is D. N. Graves, and he is the South, and the wavelets played with sun-sparkles upon its smiling face; when storm clouds frowned over it and its waters were piled in huge neaps by the fury of the winds; but under whatever circumstances I have seen it, Mattamuskeet is a thing of

But Mattamuskeet is not "a joy forever." If it were, great steam dredges would not be tearing ugly gashes across its placid surface. Not only does it hold under its smiling face lifty thousand acres of the richest land in America, but thousands of other rich acres around it can not be cultivated at all, and many other acres are despoiled of their crops frequently,

because it is here. For years the people around the lake have thought, dreamed and They can tell you of many years in Drainage District was legally complet- the project. Hard-headed business from the higher lands to the north-west of them coming down upon the fields and being held there by a full from the principal offices of the project in Holland was considered.

lake. They can tell of the many prom- | the company are at Swan Quarter, the ising young men who have been driven from their country to other fields by the discouragement of having the fruits of their year of toil realized (and I believe they will all taken from them in a few days by be realized) this lake bed will become the flooding of their well-tilled fields. They love Mattamuskeet for its beau- to-dore farming communities in the ty, but they hate it for the many South. fortunes it has taken from them, and for the many good ctiizens it has driven from their community.

The Dream of A "Yankee."

When a thing is thought about, dreamed of and longed for, it is to be expected that many p'ans will be avolved for its acomplishment. This has been true with reference to the drainage of the rich Mattamuskeet lands. Some years before the Civil War an attempt was made at drainage by the cutting of the Lake Landing canal from the southeastern corner of the lake to Wysocking bay. This attempt resulted in some little success lake. But the peculiar situation of method of drainage unsuccessful. I have already made mention of the water that flows down from the higher lands to the northwest in seasons of excessive rainfall; this, the back Sound, through Alligator river on the north, and the very slight elevation of the land above sea level, renders drainage by gravity out of the question. Some plan had to be devised that would not only take the rainfall off the land to be drained, but protect it against the water from the out-

Sometime after the war there came to this county an old man by the name of Knickerbocker. I don't know this difficult protect would inspire the land, Virginia, and the Carolinas west_ where he came from, somewhere up North I believe, and because of this at least, but their lands that may be is as food for hogs. It can, however, man was some sort of a genius. He was a magician with machinery, I am told, and was an engineer, by instinct if not by training. He spent much time in thought upon the great problem that was uppermost in the minds of the people here. I have been told that he was the first man to advance the theory that the country could be drained by pumping out the waters of the lake. Much sport was made of "Old Knick's dream" by some of the people, but others believed in the feasibility of his idea. Nothing was done, however, until about eight years ago. Along about that time there came a succession of very wet years and these rich lands hardly yielded "seed for the sower and bread for the eater." At this time an appeal was made to the Department of Agriculture at Washington for help to solve the drainage problem. In answer to this appeal the department sent a drainage expert to Hyde county to look into the matter. After a thorough canvass of the situation this expert recommended "Old Knick's Dream" as the only practical solution of the difficulty.

An undertaking of this magnitude required more money than the people in the district felt that they could raise and the situation was beginning to appear hopeless, when somebody thought of the lake bed. A soil survey was made of the bed of the lake by experts from the Department of Agriculture, and it was discovered that all the land covered by the lake was very rich, and would pay for the drainage work many times over. The Mattamuskeet Lake is "a thing of lake was at that time the property of the State Board of Education. Drainage laws were passed by the Legislaprise when the Board of Education gave an option on the lake bed to some North Carolina people, and the second "Yankee" steps into my story. from Boston.

"And It Came To Pass." When I was a child we used to play a game with the old family Bible. One youngster would get the old book and hold it closed, the others would make a "wish," then the book would be opened at random, and if the words "And it came to pass" were found at the place where the book was opened it was an omen that the wish would

I don't know that "Old Nick" ever tried this method of prophecy on his dream, but I do know that it is "coming to pass." Things have been happening ever since this man Graves appeared upon the scene down here in

clamation Company, and when the vested over a half million dollars in which the fruit of their toil has been ed, this company purchased the lake men do not invest their money in prodestroyed when a bountiful harvest bed from the Board of Education. positions of this kind unless they are

county-seat of Hyde county.

If one half of this company's amhitions concerning the lake bed are one of the most prosperous and un-

The development of this lake hed is not a fad with the people who own it Not the plaything of some joje millionaire, but a business proposition out of which these besiness men ex- cation of the department, Parmeret peet to make a good profit on the Bulletin No. 685, which equals the money invested. While these men are persimmen in its value as a food is busy making money for themselves. I the date. Nevertheless many persons tike to think of the good that must re- with fine persimenen trees in their sult from their efforts to make money, possession are allowing the fruit to I like to think of the vast stores of go to waste either through ignorance foodstuffs which will be added to the of the many uses to which it may be annual production of the State, of the put or through prejudice. There is a good farms and comfortable homes saying in the persimmon country that that will be made available, the thriv- persimmons are "good for does, hows, ing churches and schools that must and 'possums." This however, is de-As I am writing these lines I have by lowering the water level in the spring up on lands that are now given clared to be a gross injustice to a very over to the mesquitees and frogs, and valuable product this section renders any ordinary I like to think of men making their money by adding something to the fruit is the mistaken idea that percum total of the world's good things. These men are not philanthronisis, have been touched by frost. As a but they are making money the way matter of fact much of the best fruit I like to see men make it, and they is lost each year because it ripens deserve a word of praise for this,

They are doing good in another way also. All along the coast of North Carolina, South Carolina and Georgia. there are millions of acres of swamp lands, lands that would produce speak they pucker the mouth is because they crops. Most of these lands could be drained by gravity, by simply cutting ditches and letting the water run off. It seems to me that the courage of the neople who are undertaking and mon use for the fruit in the personbringing to a successful conclusion mon belt, which extends from Marypeople of the whole coast country to, ward through Missouri and Arkansas, drained without the difficulty and expense of pumning, under drainage.

The Mattamuskeet Plan. We have mentioned the neculiar difficulties in the way of draining this country by gravity. It is slightly above the level of the sea and a combination of heavy rainfall with high tides would render ineffective any gravity system of drainage. From the northwest it is flooded by water from high- | month. If the fruit is perfectly ripe er lands, and on the north by waters this precaution is not necessary but from the Alligator river. If it is drained at all it must be protected some green fruit finding its way into against the waters from these sources. Here is the way these difficulties are being overcome:

To protect the district against the water from the outside a boundary canal is being cut. This canal is sixteen feet wide: its death varies according to the elevation of the land it passes through. This canal surrounds the entire district with the excention of some short spaces where there is a ridge and no protection is needed. The dirt from this canal is piled on the cutside bank of the canal to form a Alko against the pressure of outside

There are two main canals, the "East Main" and the "West Main. whose canals begin at the boundary canal, one near the northeast, and the other near the northwest cornerof the district and converge at a point about midway of the southern shore of the lake

From the main canals lateral canals are cut north and south into the houndary canal. These lateral canals are about one and one half nitles apart Into these canals the farmers will cut the dirches to drain their land.

Where the main canals converge there is a great basin, and the water from all over the district will flow through the carals to this basin. Ev the side of the basin is the great pumping plant to lift the water and send it through the outfall canal to Pamlico Sound, seven and one-half miles away. This outfall canal is baking powder, seventy feet wide and about fourteen

the greatest reclamation compine ripe persimmons, then a layer of suplant in the world. It is composed of gar, and so on until the far is full. eight 60-inch centrifugal purous, with The sugar will seen dissolve and form a combined capacity of 2,000 cubic a syrup. Press the upner fruit down foat of water per second. These parter the syrup or add more syrup onales are set on a solid concrete to the jars. Seal and store until used. foundation builded upon piling driven The syrup may be drained off and the deen in the earth, and are housed in fruits served like dates, which they a great building of concrete, steel and will resemble very much in both apbrick construction.

Will This Project Be a Success? This question is raised every time the subject is mentioned. Our answer is this; expert engineers have gone over every phase of the work and freeze like ordinary ice cream. uton the strength of their reports He formed the Southern Land Re- hard-headed husiness men have in-

ered a more difficult proposition than this, and it has been in successful operation for years and now furnishes homes for sixteen thousand people.

Will the land in the lake bed produce crops? A test farm was operated In a part of the lake bed that had been diked off and pumped out, and while it was not expected to produce crops until it had been tilled three years, fair crops of corn, cotton and other crops have been produced the

The progressive people of the district deserve the praise of all lavers of progress for the fight they have made for this great improvement They have had to fight for it over every inch of the way. In bitterly contested election campaigns and hard fought law-suits they have shown the unflagging spirit of heroes, and we hope that they will soon reap the rewards of their long and trying fight

Fairfield, N. C.

PERSIMMON RECIPES

Ways in With T is Neglected Fruit May Be Used

The only from says a new publi-

One reason for the nordert of this simmons are notit to eat until they and falls to the ground, where, not being touched by frost, it is left to rot. Such persimmons as are not ellible before frost comes are a late variety of the fruit, and the reason that base not yet ripened. In general the hest truit ripens just before the leaves

At the present time the most combe made up into a large number of very palatable products for human consumption. To be on the safe side it is well to add a haif teaspoonful of baking soda to each curful of persimmen oulp whenever the fruit is sublected to heat. This does away with all risk of astringency, the quality in unripe persimmons which produces the well-known nuckering of the as there is always the possibility of the pulp it is usually advisable.

The following regines will be found

simple and agreeable: Persimmon Bread.

I cup of persimmon pulp. I cup of water.

1-9 teaspoonful of soda.

Yeast. Shortening.

Plour to make a stiff dough. Set to rise, mold, and bake like ther bread.

Persimmon Crumpets. Take I pint of the sponge of perimmon bread which has been set wer night add I egg and enough milk to make a thin batter, set to

rise for one hour, then bake on a hot griddle like giddlecakes. Serve hot with butter or sirup. Persimmon Griddlecakes. cup of persimmon pulp.

I cup of flour. I teaspoonful of baking powder 1-7 teaspoonful of soda. Milk to make a thin batter. Bake and serve as above.

Persimmon Cake. 1 cup of persimmon pulp. 1-2 cup of sugar.

1 cup of flour.

I teaspoonful of baking powder. 1-2 teaspoonful of soda. Butter of size of a walnut, Blake 40

minutes in a moderate even. For a soft pudding leave out the eggs. For a custard leave out the flour and the Preserved Whole Persimmons.

Put a thin layer of sugar in the The numbing plant is said to be bottom of a jar; then a layer of whole pearance and flavor.

Persimmon Ice Cream.

2 cups of persimmon pulp 1 cup of thick, sweet cream. Beat together thoroughly fruit must be thoroughly ripe and

Persimmon Fudge. 2 cups of persimmon pulp.

2 cups of sugar. Cook over a slew fire, stirring occa-